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Mar 31, 1993

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TITLE: Reactor and process for carrying out heterogeneous catalytic reactions.

PUBN-DATE: March 31, 1993

## INVENTOR-INFORMATION:

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US-CL-CURRENT: 422/200; 422/218

INT-CL (IPC): B01J 8/02

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## ABSTRACT:

CHG DATE=19990617 STATUS=0> The application relates to a reactor and a process for carrying out heterogenous catalytic gas-phase reactions. The process is characterised in that the reaction mixture flows through a loose catalyst bed (01) radially with respect to the longitudinal axis of the reactor and preferably in a centripetal direction. A further characteristic of the process according to the invention is the incorporation, in the catalyst bed (01), of a heat exchanger (02) having coiled tubes (03) which have a heat transfer medium flowing through them to

remove the reaction heat liberated.

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